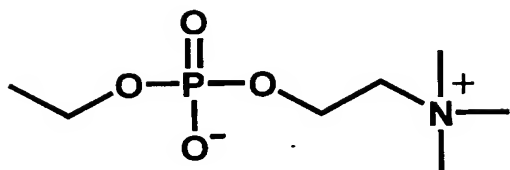


# CLAIMS

1. A polysiloxane having a phosphorylcholine group represented by the following general formula

5 (1).

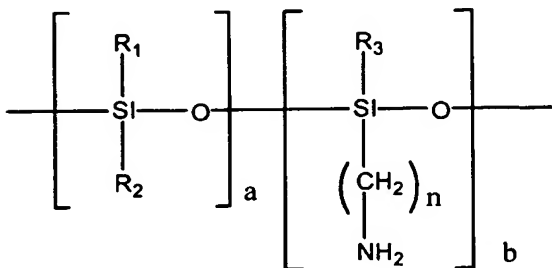
(1)



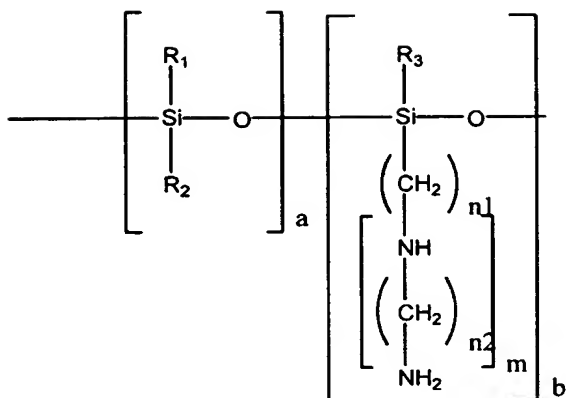
2. A polysiloxane having repeating units represented by the following formulas (5), (6),

10 and (7) obtained by introducing the phosphorylcholine group represented by said formula (1) to some or all of the amino groups of amino-modified polysiloxane having repeating units a and b or repeating units a, b, and c represented  
 15 by the following formulas (2), (3), and (4).

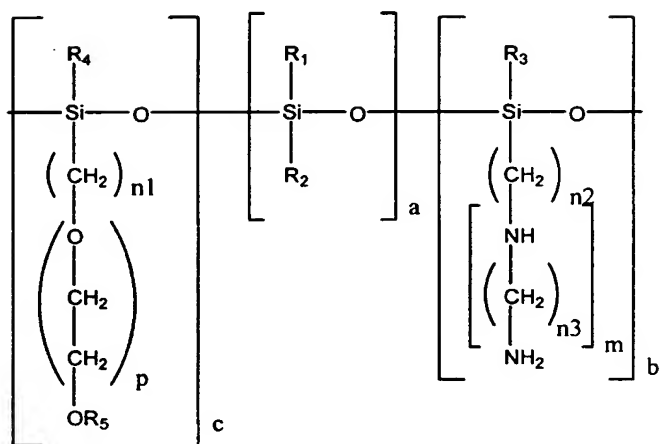
(2)



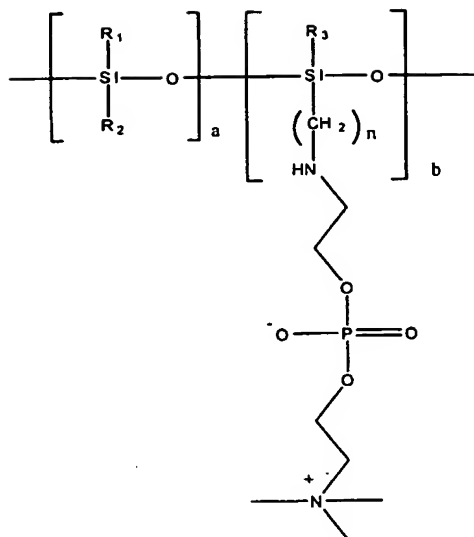
(3)



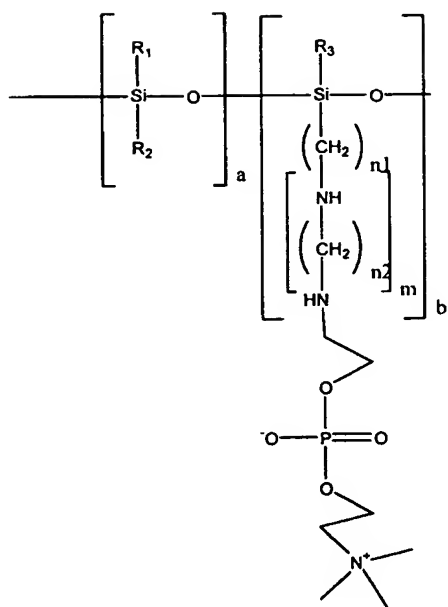
(4)



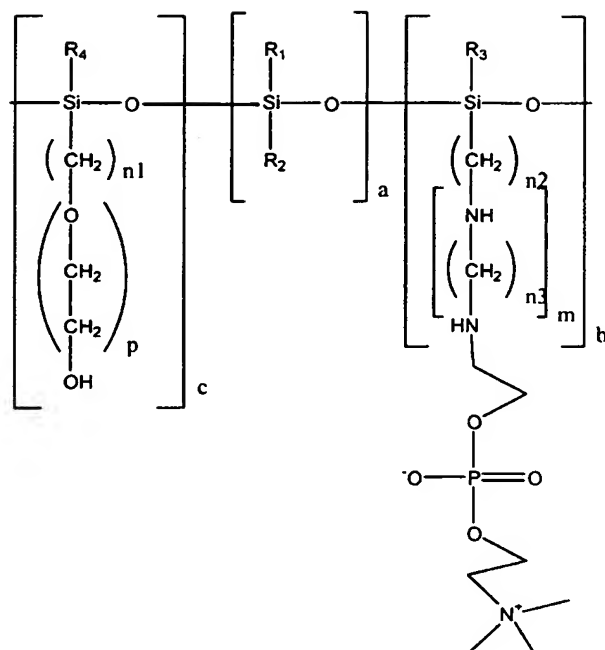
(5)



(6)



(7)



$R_1$ ,  $R_2$ ,  $R_3$ , and  $R_4$  independently of each other, denote an alkyl group or perfluoroalkyl group having 1-22 carbon atoms, an alkoxysilyl group having 1-6 carbon atoms via an alkylene group having 1-6 carbon atoms, a phenyl group, or hydroxyl group;  $R_5$  denotes a hydrogen atom or an alkyl group having 1-22 carbon atoms.  $n$  denotes an integer 1-22.  $n_1$ ,  $n_2$ , and  $n_3$ , independently to each other, denote an integer 1-22.  $m$  denotes an integer 0-10.  $p$  denotes an integer 1-30.

3. A method for manufacturing a polysiloxane having phosphorylcholine groups wherein the

15 aldehyde derivative-containing compound obtained

by the oxidative ring-opening reaction of glycerophosphorylcholine is added to a polysiloxane containing amino groups.